

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the above-identified application.

Listing of Claims:

1. (Currently Amended) An industrial controller for at least one of a machine tool, a robot and a production machine, comprising:

a converter which associates predefined operating states, of the at least one of the machine tool, the robot and the production machine, on an individual operating-state basis to respective at least one of messages and alarms so that, if one of the predefined operating states is present, a notification about which of the predefined operating states is present is sent to a predefined distribution group, the notification including at least one of an SMS message and an e-mail; and

a table which associates each of the predefined operating states with: i) a respective distribution group to whom the notification is to be sent, and ii) information to be included in the notification,

wherein after one of the predefined operating states is detected, the respective at least one of message and alarm associated with the one of the predefined operating states is sent via the notification to the respective distribution group associated with the detected predefined operating state, the respective at least one of message and alarm including the information associated with the detected predefined operating state, and

wherein the table associates at least two of the predefined operating states with a different respective distribution group.

2. (Original) The controller according to claim 1, wherein the e-mail has a file attached to it.

3. (Previously Presented) The controller according to claim 2, wherein the file is a trace file, the trace file including an operating sequence preceding the respective at least one of messages and alarms.

4. (Previously Presented) The controller according to claim 1, further comprising:
an operating keyboard to effect the association by editing.

5. (Previously Presented) The controller according to claim 1, wherein the converter is configured to initiate a bit poll, the bit poll for polling at least one system component for operation state information.
6. (Previously Presented) The controller according to claim 1, wherein the notification about the one of the predefined operating states is sent to the predefined distribution group when the one of the predefined operating states arises.
7. (Currently Amended) The controller according to claim 1, wherein each respective distribution group includes a plurality of members selected from at least one of a person and a site.
8. (Canceled)
9. (Currently Amended) An industrial controller for at least one of a machine tool, a robot and a production machine, comprising:
- a converter which associates predefined operating states of the at least one of the machine tool, the robot and the production machine, on an individual operating-state basis to respective at least one of messages and alarms;
 - a table which associates each of the predefined operating states with: i) a respective distribution group to whom a notification is to be sent, the notification including at least one of an SMS message and an e-mail and ii) information to be included in the notification; and
 - a transmitter configured to send the at least one of message and alarm associated with one of the predefined operating states after the one of the predefined operating states is detected, the at least one of message and alarm being sent via the notification to the respective distribution group associated with the detected predefined operating state, the respective at least one of message and alarm including the information associated with the detected predefined operating state,
- wherein the table associates at least two of the predefined operating states with a different respective distribution group.
10. (Canceled)

11. (Currently Amended) An industrial controller for at least one of a machine tool, a robot and a production machine, comprising:

a converter which associates predefined operating states of the at least one of the machine tool, the robot and the production machine, on an individual operating-state basis to respective at least one of messages and alarms;

a table which associates each of the predefined operating states with: i) a respective distribution group to whom an SMS message is to be sent, and ii) information to be included in the SMS message; and

a transmitter configured to send the at least one of message and alarm associated with one of the predefined operating states after the one of the predefined operating states is detected, the at least one of message and alarm being sent via the SMS message to the respective distribution group associated with the detected predefined operating state, the respective at least one of message and alarm including the particular information identified by the information associated with the detected predefined operating state,

wherein the table associates at least two of the predefined operating states with a different respective distribution group.

12. (Canceled)

13. (Canceled) An industrial controller for at least one of a machine tool, a robot and a production machine, comprising:

a converter which associates predefined operating states of the at least one of the machine tool, robot the production machine, on an individual operating-state basis to respective at least one of messages and alarms;

a table which associates each of the predefined operating states with a respective distribution group to whom a notification is to be sent, the notification including at least one of an SMS message and an e-mail; and

a transmitter configured to send the at least one of message and alarm associated with one of the predefined operating states after the one of the predefined operating states is detected, the at least one of message and alarm being sent via the notification to respective distribution group associated with the detected predefined operating state,

wherein the table associates at least two of the predefined operating states with a different respective distribution group.

14. (Canceled)

15. (Currently Amended) An industrial controller for at least one of a machine tool, a robot and a production machine, comprising:

a converter which associates predefined operating states of the at least one of the machine tool, the robot and the production machine, on an individual operating-state basis to respective at least one of messages and alarms;

a table which associates each of the predefined operating states with a respective distribution group to whom an SMS message is to be sent; and

a transmitter configured to send the at least one of message and alarm associated with one of the predefined operating states after the one of the predefined operating states is detected, the at least one of message and alarm being sent via the SMS message to the respective distribution group associated with the detected predefined operating state,

wherein the table associates at least two of the predefined operating states with a different respective distribution group.

16. (Canceled)